MAR 0 5 2002

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Frank C. Eisenschenk, Ph.D., Patent Attorney

INFORMATION DISCLOSURE
STATEMENT
Examining Group 1651
Patent Application
Docket No. UTR-103XC RECEIVED
Serial No. 09/909,735

MAR 1 4 2002

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Examiner

Leon B. Lankford, Jr.

Art Unit

1651

Applicant(s)

John T. Loh, Gary Stacey, Ph.D.

Serial No.

09/909,735

Filed

July 20, 2001

For

MATERIALS AND METHODS FOR THE ENHANCEMENT OF EFFECTIVE

ROOT NODULATION IN LEGUMES

Assistant Commissioner for Patents Washington, D.C. 20231

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. §§ 1.97 AND 1.98

Sir:

In accordance with 37 C.F.R. § 1.56, the references on the attached form PTO-1449 are being brought to the attention of the Examiner for consideration in connection with the examination of the above-identified patent application. Copies of the cited documents are enclosed.

This information is being submitted subsequent to the later of three months after the filing date of the present application or the mailing of the first office action on the merits, but before the mailing of a final action or the notice of allowance. Accordingly, the undersigned hereby certified that to the knowledge of the undersigned, after making reasonable inquiry, no item of information contained in this statement was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this statement.

Docket No. UTR-103XC1 Serial No. 09/909,735

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It is respectfully requested that the Examiner indicate consideration of the cited references by returning a copy of the attached form PTO-1449 with initials or other appropriate marks. If any additional fee is required, or to credit any overpayment, please use Deposit Account No. 19-0065.

Applicants respectfully assert that the substantive provisions of 37 C.F.R. §§ 1.56, 1.97, and 1.98 are met by the foregoing statements.

Respectfully submitted,

Frank C. Eisenschenk, Ph.D.

frank C EisenschenL

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A Professional Association 2421 N.W. 41st Street, Suite A-1 Gainesville, FL 32606-6669

FCE/an

Attachments: PTO Form SB/08A (Substitute for Form 1449)

Copies of references cited (28)

PTO/SB/08A (10-01) Approved for use through 10/31/2002. OMB 0651-0031 U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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				Exami	ner Name	Leon B. Lankfo	ord, Jr.	
Sheet	1	of	3	Attorn	ey Docket Number	UTR-103XC1		,

	U.S. PATENT DOCUMENTS							
Examiner Initials*	Cite No. 1	Document Number Number - Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear			
	U1	US-4,535,061	08-13-1985	Chakrabarty	All			
	U2	US-5,173,424	12-22-1992	Stacey	All			
	U3	US-5,695,541	12-09-1997	Kosanke	All			
	U4	US-5,916,029	06-29-1999	Smith	All			
	U5	US-						
	U6	US-						
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	FOREIGN PATENT DOCUMENTS								
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Examiner Initials*	Cite No. 1	Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	T ⁶			
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¹ Applicant's unique citation designation number (optional). ² See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English longuage Translation is effective. English language Translation is attached.

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Application Number	09/909,735	0
Filing Date	July 20, 2001	MAR 1
First Named Inventor	John T. Loh	
Group Art Unit	1651	TECH CENTA
Examiner Name	Leon B. Lankford, J	r. OLIVIE
Attorney Docket Number	UTR-103XC1	

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article, (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
	R1	Banfalvi et al. [1988] "Regulation of nod gene Expression in Bradyrhizobium japonicum," Mol. Gen. Genet. 214:420-424, Springer-Verlag	
	R2	Cha et al. [1998] "Production of Acyl-Homoserine Lactone Quorum-Sensing Signals by Gram-Negative Plant-Associated Bacteria," Mol. Plant Microbe Int. 11(11):1119-1129, The American Phytopathological Society	
	R3	Cubo et al. [1992] "Molecular Characterization and Regulation of the Rhizosphere-Expressed Genes <i>rhiABCR</i> That Can Influence Nodulation by Rhizobium leguminosarum Biovar viciae," <i>J. Bacteriol.</i> 174:4026-4035, American Society for Microbiology	
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	R5	Fellay et al. [1998] "nodD2 of Rhizobium sp. NGR234 is involved in the repression of the nodABC operon," Mol. Microbiol. 27(5):1039-1050, Blackwell Science Ltd.	
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	R10	Gray et al. [1996] "Cell-to-Cell Signaling in the Symbiotic Nitrogen-Fixing Bacterium Rhizobium leguminosarum: Autoinduction of a Stationary Phase and Rhizosphere-Expressed Genes," J. Bacteriol. 178(2):372-376, American Society for Microbiology	
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Examiner	Date	
Signature	Considered	

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09/909,735

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Sheet

First Named Inventor **Group Art Unit**

Application Number

Filing Date

John T. Loh 1651 **Examiner Name** Leon B. Lankford

UTR-103XC1 **Attorney Docket Number**

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article, (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
	R14	Loh, J.T. and G. Stacey [2001] "Feedback regulation of the <i>Bradyrhizobium japonicum</i> nodulation genes," <i>Mol. Microbiol.</i> 41(6):1357-1364, Blackwell Science Ltd.	
	R15	Loh et al. [2001] "Population density-dependent regulation of the Bradyrhizobium japonicum nodulation genes," Mol. Microbiol. 42(1):37-46, Blackwell Science Ltd.	
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